10. (New) The lens shape data processing apparatus as set forth in Claim 9, further comprising an arithmetic processing unit configured to read a plurality of the lens shape data stored in the memory and to adjust the lens shape data.

11. (New) A lens shape data processing apparatus comprising:

a lens shape data measuring means for measuring a plurality of lens shape data of a spectacle frame; and

storage means for storing data measured by said lens shape data measuring means.

12. (New) The lens shape data processing apparatus as set forth in Claim 11, further comprising arithmetic processing means for reading a plurality of the lens shape data stored in the storage means and for adjusting the lens shape data.

13. (New) A lens shape data processing apparatus comprising:

a display including an image display unit configured to display a plurality of lens shape information for spectacle frames and an operation contents display unit configured to display items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display unit; and

an arithmetic control unit configured to set data and to grind an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key configured to switch at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key configured to access a preceding lens shape information and at least one of a next lens shape information and new lens shape information.

14. (New) The lens shape data processing apparatus as set forth in Claim 13, further comprising a memory configured to store said plurality of the lens shape information for the spectacle frames.

15. (New) A lens shape data processing apparatus comprising:

display means for displaying, said display means including image display means for displaying a plurality of lens shape information for spectacle frames and operation contents display means for displaying items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display means; and

arithmetic control means for setting data for grinding an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key for switching at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key for accessing a preceding lens shape information and at least one of a next lens shape information and new lens shape information.

16. (New) The lens shape data processing apparatus as set forth in Claim 15, further comprising memory means for storing said plurality of the lens shape information for the spectacle frames.

17. (New) A lens grinding machine comprising:

a keyboard configured to input a plurality of lens shape data for spectacle frames;

a lens edge surface shape measuring unit configured to measure a lens edge surface shape of an unprocessed spectacle lens based on the lens shape data input for the spectacle frames;

a machining unit configured to grind the lens edge surface shape of said unprocessed spectacle lens based on the lens shape according to a result of measurement by the lens edge surface shape measuring unit; and

an arithmetic processing unit configured to select one of said plurality of lens shape data and to set and adjust machining conditions for the unprocessed spectacle lens based on said selected lens shape data during at least one of an operation of said lens edge surface shape measuring unit and an operation of said machining unit.

18. (New) A lens grinding machine comprising:

input means for inputting a plurality of lens shape data for spectacle frames;

lens edge surface shape measuring means for measuring a lens edge surface shape of an unprocessed spectacle lens based on the lens shape data input for the spectacle frames;

machining means for grinding the lens edge surface shape of said unprocessed spectacle lens based on the lens shape according to a result of measurement by the lens edge surface shape measuring means; and

arithmetic processing means for selecting one of said plurality of lens shape data and for setting and adjusting machining conditions for the unprocessed spectacle lens based on said selected lens shape data during at least one of an operation of said lens edge surface shape measuring means and an operation of said machining means.

19. (New) A lens grinding machine comprising:

a keyboard configured to input a plurality of lens shape data for spectacle frames;

a lens edge surface shape measuring unit configured to measure a lens edge surface shape of an unprocessed spectacle lens based on the lens shape data input for the spectacle frame;

a machining unit configured to grind the lens edge surface shape of said unprocessed spectacle lens based on the lens shape according to a result of measurement by the lens edge surface shape measuring unit; and

an arithmetic processing unit configured to set and adjust machining conditions for the unprocessed spectacle lens based on following lens shape data used for an ongoing operation during at least one of an operation of said lens edge surface shape measuring unit and an operation of said machining unit.

20. (New) A lens grinding machine comprising:

input means for inputting a plurality of lens shape data for spectacle frames;

lens edge surface shape measuring means for measuring a lens edge surface shape of an unprocessed spectacle lens based on the lens shape data input for the spectacle frames;

machining means for grinding the lens edge surface shape of said unprocessed spectacle lens based on the lens shape according to a result of measurement by the lens edge surface shape measuring means; and

arithmetic processing means for setting and adjusting machining conditions for the unprocessed spectacle lens based on following lens shape data used for an ongoing operation during at least one of an operation of said lens edge surface shape measuring means and an operation of said machining means.

21. (New) A lens grinding machine as set forth in Claim 17, further comprising a memory configured to store machining conditions for the unprocessed spectacle lens based on machining conditions for the unprocessed spectacle lens based on at least one of selected lens shape data and machining conditions for the unprocessed spectacle lens based on following lens shape data set and adjusted during at least one of an operation of said lens edge surface shape measuring unit and an operation of said machining unit.

22. (New) A lens grinding machine as set forth in Claim 18, further comprising memory means for storing machining conditions for the unprocessed spectacle lens based on machining conditions for the unprocessed spectacle lens based on at least one of selected lens shape data and machining conditions for the unprocessed spectacle lens based on following lens shape data set and adjusted during at least one of an operation of said lens edge surface shape measuring means and an operation of said machining means.

23. (New) A lens grinding machine as set forth in Claim 19, further comprising a memory configured to store machining conditions for the unprocessed spectacle lens based on machining conditions for the unprocessed spectacle lens based on at least one of selected lens shape data and machining conditions for the unprocessed spectacle lens based on following lens shape data set and adjusted during at least one of an operation of said lens edge surface shape measuring unit and an operation of said machining unit.

24. (New) A lens grinding machine as set forth in Claim 20, further comprising memory means for storing machining conditions for the unprocessed spectacle lens based on machining conditions for the unprocessed spectacle lens based on at least one of selected lens shape data and machining conditions for the unprocessed spectacle lens based on following lens shape data set and adjusted during at least one of an operation of said lens edge surface shape measuring means and an operation of said machining means.

25. (New) A lens grinding machine comprising:

a display including an image display unit configured to display a plurality of lens shape information for spectacle frames and an operation contents display unit configured to display items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display unit; and

an arithmetic control unit configured to set data and to grind an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key configured to switch at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key configured to access a preceding lens shape information and at least one of a next lens shape information and a new lens shape information.

26. (New) A lens grinding machine comprising:

display means for displaying, said display means including an image display means for displaying a plurality of lens shape information for spectacle frames and an operation contents display means for displaying items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display means; and

arithmetic control means for setting data for grinding an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key for switching at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key for accessing a preceding lens shape information and at least one of a next lens shape information and a new lens shape information.

27. (New) A lens grinding machine comprising:

a display including an image display unit configured to display a plurality of lens shape information for spectacle frames and an operation contents display unit configured to display items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display unit;

a memory configured to store said plurality of the lens shape information for the spectacle frames; and

an arithmetic control unit configured to set data to grind means for setting data for grinding an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key configured to switch at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key configured to access a preceding lens shape information and at least one of a next lens shape information and a new lens shape information.

28. (New) A lens grinding machine comprising:

display means for displaying, said display means including an image display unit for displaying a plurality of lens shape information for spectacle frames and an operation contents display unit for displaying items for switching a plurality of screens;

a plurality of keys corresponding to said items of said operation contents display unit;

memory means for storing said plurality of the lens shape information for the spectacle frames; and

arithmetic control means for setting data for grinding an unprocessed lens into a lens shape based on said lens shape information,

wherein said plurality of keys includes a first function key for switching at least one of said plurality of screens to select and access one of said plurality of lens shape information and a second function key for accessing a preceding lens shape information and at least one of a next lens shape information and a new lens shape information.

REMARKS